

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 March 2005 (10.03.2005)

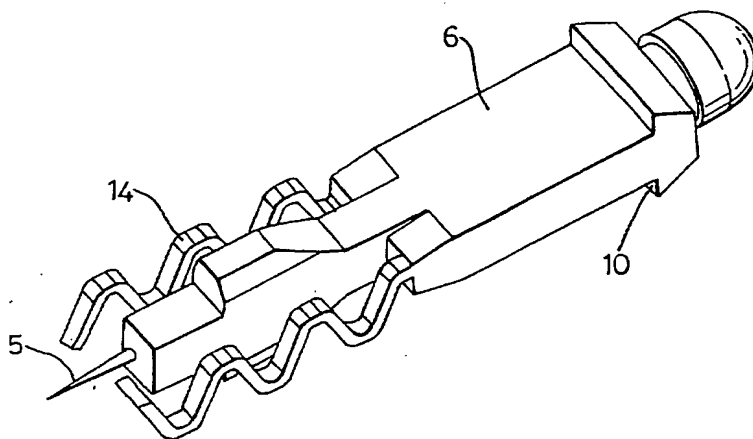
PCT

(10) International Publication Number
WO 2005/020816 A1

BEST AVAILABLE COPY

- (51) International Patent Classification⁷: **A61B 5/15**
- (21) International Application Number:
PCT/GB2004/003676
- (22) International Filing Date: 27 August 2004 (27.08.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0320283.5 29 August 2003 (29.08.2003) GB
- (71) Applicant (for all designated States except US): **OWEN MUMFORD LIMITED** [GB/GB]; Brook Hill, Woodstock, Oxfordshire OX20 1TU (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MARSHALL, Jeremy** [GB/GB]; 16 Cranham Street, Jericho, Oxford OX2 6DD (GB). **EATON, Mark** [GB/GB]; 113 Hailey Road, Witney, Oxon OX28 5HL (GB).
- (74) Agents: **WYNNE-JONES, LAINE & JAMES** et al.; Essex Place, 22 Rodney Road, Cheltenham GL50 1JJ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVEMENTS RELATING TO LANCETS



(57) Abstract: A return spring arrangement for a lancet (6) is provided by a pair of undulating plastic webs (14) formed integrally with the lancet. The undulations of the two webs (14) are shown out of phase with one another. These webs (14) are flexible and thus are caused to concertina when the tips (15) of the webs hit the interior of a lancet holder on release of a drive spring. The energy stored within the collapsed webs (14) is then released to drive the lancet back within the lancet holder. This positive return of the lancet ensures that a needle (5) will retract safely into the lancet holder, after operation, and does not rely on the spring being locked into the lancet holder and onto the lancet.

WO 2005/020816 A1